

ABSTRACT OF THE DISCLOSURE

A projection apparatus (10) forms a tiled image (12) on a display surface (14), the tiled image (14) having at least two adjacent image tile segments. The projection apparatus (10) includes an illumination system (16) for providing a
5 first illumination beam having a first polarization state and a second illumination beam having a second polarization state, these illumination beams being substantially non-overlapping. First and second spatial light modulators (20) form first and second modulated light beams from their respective illumination beams. A beam aligner (40) directs these first and second modulated light beams along
10 adjacent parallel paths, in the direction of the optical axis of a projection lens (18). The projection lens (18) directs the first and second modulated beams to the display surface (14) to form the first and second tile segments respectively.